Docket No. 43471

Patent Application
Commissioner of Patents and Trademarks
Washington, D.C. 20231

# NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of Inventor(s):

Wayne A. Marasco Si-Yi Chen

WARNING: Patent must be applied for in the name(s) of all of the actual inventor(s). 37 CFR 1.41(a) and 1.53(b).

For(title): Nucleic Acid Delivery System, Method Of Synthesis And Uses Thereof

## 1. Type of Application

This new application is for a(n) (check one applicable item below):

- . ഈ Original
  - Design
  - Plant

WARNING: Do not use this transmittal for a completion in the U.S. of an International Application under 35 U.S.C. 371(c)(4) unless the International Application is being filed as a divisional, continuation or continuation-in-part application.

NOTE: If one of the following 3 items apply then complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF A PRIOR U.S. APPLICATION CLAIMED.

- Divisional
- Continuation
- □ Continuation-in-part (CIP)

#### CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date  $\underline{February 22, 1994}$  in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number  $\underline{TB553888709US}$  addressed to the: Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Adele E. Stone
(Type or print name of person mailing paper)

(Signature of person mailing paper)

NOTE: Each paper or fee referred to as enclosed herein has the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 CFR 1.10(b).

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### \* 2. Benefit of Prior U.S. Application(s) (35 USC 120)

NOTE: If the new application being transmitted is a divisional, continuation or a continuation-in-part of a parent case, or where the parent case is an International Application which designated the U.S., then check the following item and complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

The new application being transmitted claims the benefit of prior U.S. application(s) and enclosed are ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

3.	Papers	Enclosed	Which	Are Requ	ired For	Filing	Date	Under	37	CFR	1.53(	b)
(Red	gular) (	or 37 CFR	1.153	(Design)	Applicat	tion						

- 40 Pages of specification
- 3 Pages of claims
- 1 Pages of Abstract
- \_\_\_\_\_Sheets of drawing
  - c formal
- 独 informal

WARNING: DO NOT submit original drawings. A high quality copy of the drawings should be supplied when filing a patent application. The drawings that are submitted to the Office must be on strong, white, smooth, and non-shiny paper and meet the standards according to §1.84. If corrections to the drawings are necessary, they should be made to the original drawing and a high-quality copy of the corrected original drawing then submitted to the Office. Only one copy is required or desired. Comments on proposed new 37 CFR 1.84. Notice of March 9, 1988 (1990 O.G. 57-62).

NOTE: "Identifying indicia such as the serial number, group and unit, title of the invention, attorney's docket number, inventor's name, number of sheets, etc., not to exceed 2½ inches (7.0 cm.) in width may be placed in a centered location between the side edges within three fourths inch (19.1 mm.) of the top edge. Either this marking technique on the front of the drawing or the placement, although not preferred, of this information and the title of the invention on the back of the drawings is acceptable." Proposed 37 CFR 1.84(1). Notice of March 9, 1988 (1090 0.G. 57-62).

#### 4. Additional papers enclosed

- Preliminary Amendment
- Information Disclosure Statement
- □ Form PTO-1449
- □ Citations
- Declaration of Biological Deposit
- Submission of "Sequence Listing," computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence.
- Authorization of Attorney(s) to Accept and Follow Instructions from Representative
- Special Comments
- □ Other

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#### 5° Declaration or oath

- p Enclosed (unexecuted)
  - executed by (check all applicable boxes)
  - inventor(s)
  - □ legal representative of inventor(s). 37 CFR 1.42 or 1.43
  - joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached.
    - this is the petition required by 37 CFR 1.47 and the statement required by 37 CFR 1.47 is also attached. See item 13 below for fee.
- □ Not Enclosed.
- WARNING: Where the filing is a completion in the U.S. of an International Application but where a declaration is not available or where the completion of the U.S. application contains subject matter in addition to the International Application the application may be treated as a continuation or continuation-in-part, as the case may be, utilizing ADDED PAGE FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION CLAIMED.
  - Application is made by a person authorized under 37 CFR 1.41(c) on behalf of all the above named inventor(s). The declaration or oath, along with the surcharge required by 37 CFR 1.16(e) can be filed subsequently.

NOTE: It is important that all the correct inventor(s) are named for filing under 37 CFR 1.41(c) and 1.53(b).

☐ Showing that the filing is authorized. (Not required unless called into question. 37 CFR 1.41(d).

#### 6. Inventorship Statement

WARNING: If the named inventors are each not the inventors of all the claims an explanation, including the ownership of the various claims at the time the last claimed invention was made, should be submitted.

The inventorship for all the claims in this application are:

The same

or

- Are not the same. An explanation, including the ownership of the various claims at the time the last claimed invention was made,
  - □ is submitted.
  - □ will be submitted.

#### 7. Language

NOTE: An application including a signed oath or declaration may be filed in a language other than English. A verified English translation of the non-English language application and the processing fee of \$130.00 required by 37 CFR 1.17(k) is required to be filed with the application or within such time as may be set by the Office.

37 CFR 1.52(d).

NOTE: A non-English oath or declaration in the form provided or approved by the PTO need not be translated. 37 CFR 1.69(b).

- cx English
- non-English
  - □ the attached translation is a verified translation. 37 CFR 1.52(d).

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NOTE: "If an assignment is submitted		lasternance for the application and
for the assignment. Notice of	with a new application, send two separate May 4, 1990 (1114 D.G. 77-78).	e letters-one for the application and t
<ol> <li>Certified Copy Certified copy(ies) of a</li> </ol>		
(country)	(appln. no.)	(filed)
(country)	(appln. no.)	(filed)
(country)	(appln. no.)	(filed)
new PATENT APPLICA	A separate "ASSIGNMENT COVER TION" is also attached.	
NOTE: The foreign application forming	g the basis for the claim for priority mund 1.63.	
NOTE: The foreign application forming declaration. 37 CFR 1.55(a) as NOTE: This item is for any foreign put. S. application or Internation itself entitled to priority from the second s	g the basis for the claim for priority mund 1.63.  Tiority for which the application being for all Application from which this application application application then comploated being prior foreign application then comploated being prior foreign application then comploated being prior foreign application then comploated being prior prior U.S. APPLICATION(S) CLAI	iled directly relates. If any parent on claims benefit under 35 U.S.C. 120 ete item 18 on the ADDED PAGES FOR NEW
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Number filed	CLAIMS Number	AS FILED Extra	Rate	Basic Fee \$690.00
Total Claims 37 CFR 1.16(c)	-20 =	х	\$20.00	
Independent Claims (37 CFR 1.16(b)	- 3 =	X	\$72.00	
Multiple dependent claim (37 CFR 1.16(d))	(s), if any		\$220.00	

	Amendment	cancelling	extra	claims	enclosed.
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- □ Amendment deleting multiple-dependencies enclosed.
- $\ \square$  Fee for extra claims is not being paid at this time.

NOTE: If the fees for extra claims are not paid on filing they must be paid or the claims cancelled by amendment, prior to the expiration of the time period set for response by the Patent and Trademark Office in any notice of fee deficiency. 37 CFR 1.16(d).

Filing Fee Calculation

₿. □ Desi	gn application (\$280.00 - 37 CFR 1.16(f)) Filing Fee Calculation	\$
	t Application (\$460.00 - 37 CFR 1.16(g)) Filing Fee Calculation	\$
	ty Statement(s)	
□ Verifie 37 CFF	ed Statement(s) that this is a filing by a small election of the state	entity under
E: Any excess of within 2 month	Fee Calculation (50% of A, B or C above) the full fee paid will be refunded if a verified statement and a refundation of the date of timely payment of a full fee. 37 CFR 1.28(a).	
2. Request for applicable	or International-Type Search (37 CFR 1.104(d))(co e)	
□ Please applic place.	prepare an international-type search report for ation at the time when national examination on the	this le merits takes
🔯 Not En	nt Being Made At This Time closed	
ð	No filing fee is to be paid at this time. (This surcharge required by 37 CFR 1.16(e) can be paid	and the subsequently.)
□ Enclose	d basic filing fee	\$
	recording assignment (\$40.00; 37 CFR 1.21(h))	\$
	petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached. (\$130.00; 37 CFR 1.47 and 1.17(h))	\$
а	for processing an application with a specification in a non-English language. (\$130.00; 37 CFR 1.52(d) and 1.17(k)	\$
	processing and retention fee (\$130.00; 37 CFR 1.53(d) and 1.21(1)	\$
a	fee for international-type search report (\$35.00; 37 CFR 1.21(e)).	\$
complete th	(1) establishes a fee for processing and retaining any application whi e application pursuant to 37 CFR 1.53(d) and this, as well as the char at in order to obtain the benefit of a prior U.S. application, either e processing and retention fee of §1.21(1) must be paid within 1 year t	the basic filing fee

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Total fees enclosed

14.	Method of Payment rees
u	□ Check in the amount of S
	Charge Account No in the amount of S A
NOTE:	fees should be itemized in such a manner that it is clear for which purpose the fees are paid. 37 CFR 1.22(5).
15.	Authorization to Charge Additional Fees
WARN ING	<ul> <li>If no fees are to be paid on filing the following items should not be completed.</li> <li>Accurately count claims, especially multiple dependent claims, to avoid unexpected high charges, if extra claim charges are authorized.</li> </ul>
	The Commissioner is hereby authorized to charge the following additional fees by this paper and during the entire pendency of this application to Account No:
	n 37 CFR 1.16(a), (f) or (g) (filing fees)
	37 CFR 1.16(b), (c) and (d) (presentation of extra claims)
NOTE:	Because additional fees for excess or multiple dependent claims not paid on filing or on later presentation must only be paid or these claims cancelled by amendment prior to the expiration of the time period set for response by the PTO in any notice of fee deficiency (37 CFR 1.16(d)), it might be best not to authorize the PTO to charge additional claim fees, except possibly when dealing with amendments after final action.
WARNIN	37 CFR 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)  37 CFR 1.17 (application processing fees)  G: While 37 CFR 1.17(a), (b), (c) and (d) deal with extensions of time under §1.135(a) this authorization should be made only with the knowledge that: "Submission of the appropriate extension fee under 37 C.F.R. 1.136(a) is to no avail unless a request or petition for extension is filed." (Emphasis added). Notice of November 5, 1985 (1050 0.G. 27).
	37 CFR 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 CFR 1.311(b))
NOTE:	Where an authorization to charge the issue fee to a deposit account has been filed before the mailing of a Notice of Allowance, the issue fee will be automatically charged to the deposit account at the time of mailing
NOTE:	the notice of allowance. 37 CFR 1.311(b).  37 CFR 1.28(b) requires "Motification of any change in loss of entitlement to small entity status must be filed in the applicationprior to paying, or at the time of paying, issue fee". From the wording of 37 CFR in the applicationprior to paying, or at the time of paying, issue fee". From the wording of 37 CFR in the applicationprior to paying, or at the time of paying, issue fee". From the wording of 37 CFR in the application of change of status must be made even if the fee is paid as "other than a small entity" and (b) no notification is required if the change is to another small entity.
16.	Instructions As To Overpayment  a credit Account No.  refund  Tonal Lesens  Tonal Lese
Reg.	No. 30,628 SIGNATURE OF ATTORNEY Ronald I. Eisenstein
Tel.	. No. (617) 523-3400 Type or print name of attorney Dike, Bronstein, Roberts & Cushman
	P.O. Address
	130 Water Street Boston, MA 02109
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Incorporation by reference of added pages

1 10 St 10 6

Check the following item if the application in this transmittal claims the benefit of prior U.S. application(s) (including an international application entering the U.S. stage as a continuation, divisional or C-I-P application) and complete and attach the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED

Plus Added Pages For New Application Transmittal Where Benefit Of Prior U.S. Application(s) Claimed
Number of pages added

□ Plus Added Pages For Papers Referred To In Item 4 Above

Number of pages added \_\_\_\_\_

Plus "Assignment Cover Letter Accompanying New Application"

Number of pages added \_\_\_\_\_

(If no further pages form a part of this Transmittal then end this Transmittal with this page and check the following item)

This transmittal ends with this page.